

FORM PTO-1449

SEP 20 2002

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KAK-004

SERIAL NO.

10/018,571

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

KITANA et al.

FILING DATE

12/20/01

GROUP

2152

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|---------------------|----|-----------------|------|-------------|-------|---------------|----------------|
| JZ | B1 | 5,140,530 | 8/92 | Guha et al. | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION | | |
|----|----|-----------------|-------|---------|-------|---------------|-------------|----|-------|
| | | | | | | | YES | NO | PART. |
| JZ | B2 | 2881711 | 02/99 | JAPAN | | | | X | |
| JZ | B3 | WO98/30722 | 07/98 | WIPO | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

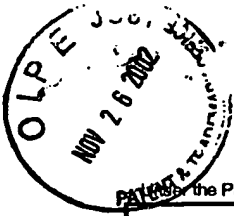
| | | | | | | | | | |
|----|-----|--|--|--|--|--|--|--|--|
| JZ | B4 | T. Yada et al., "Signal Pattern Extraction from DNA Sequences Using Hidden Markov Model and Genetic Algorithm," Transactions of Information Processing Society of Japan, Vol. 37, No. 6, Pages 1117 through 1129, Information Processing Society of Japan (June 1996). | | | | | | | |
| JZ | B5 | T. Akutsu et al., "A Learning Theory for Identifying Gene Regulatory Networks," 32 nd Artificial Intelligence Fundamental Theory Study Group Material, pages 37-42, Japanese Society for Artificial Intelligence (March 1998). | | | | | | | |
| JZ | B6 | D. Tomimaga et al., "Design of Canonical Model Describing Complex Nonlinear Dynamics," Computer Applications in Biotechnology, pages 85-90, IFAC (1998). | | | | | | | |
| JZ | B7 | T. Yada et al., "Generation of Hidden Markov Model Describing Complex Motif in DNA Sequences," Transactions of Information Processing Society of Japan, Vol. 40, No. 2, Information Processing Society of Japan (February 1999). | | | | | | | |
| JZ | B8 | T. Akutsu, "Inference Algorithm in Gene Networks," Suri-Kagaku (Mathematical and Physical Science, Vol. 37, No. 6 (No. 432), pages 40-46, Science (June 1999). | | | | | | | |
| JZ | B9 | H. Kitano, "Trial toward System Biology," Suri-Kagaku (Mathematical and Physical Science, Vol. 37, No. 6 (No. 432), pages 54-60, Science (June 1999). | | | | | | | |
| JZ | B10 | T. Akutsu et al., "Inferring Genetic Network Using Linear Programming," Proceedings of the 13 th Annual Conference of JSAI, 1999, pages 328-329, Japanese Society of Artificial Intelligence (June 1999). | | | | | | | |

EXAMINER

DATE CONSIDERED

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002.OMB 0851-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Pursuant to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|--------------------------|-------------------|------------------------|----------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 10/018,571 | | |
| | | Filing Date | December 20, 2001 | | |
| | | First Named Inventor | Hiroaki Kitano | | |
| | | Art Unit | N/A | | |
| | | Examiner Name | Not Yet Assigned | | |
| Sheet | 1 | of | 1 | Attorney Docket Number | KAK-0004 |

RECEIVED

NOV 29 2002

Technology Center 2100

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|--------------------------------|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| JZ | B1 | Noda, K. et al., " Finding Genetic Network From Experiments by Weighted Network Model," Genome Informatics Workshop, Volume 9, Pages 141-140, Japanese Society for Bioinformatics (December 10-11, 1998) | |
| JZ | B2 | Akutsu et al., " Identification of Genetic Networks From a Small Number of Gene Expression Patterns Under the Boolean Network Model," Proceedings: Pacific Symposium on Biocomputing, Stanford Medical Informatics (January 4-9, 1999) | |
| JZ | B3 | Morohashi et al., "Identifying Gene Regulatory Networks from Time Series Expression Data by in silico Sampling and Screening," Advances in Artificial Life . Proceedings of the 5th European Conference on Artificial Life, Pages 477-486 (September 13-17, 1999) | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

| | | | |
|-----------------------|--|--------------------|--------|
| Examiner Signature | | Date Considered | 3/4/05 |
|-----------------------|--|--------------------|--------|